

II. NAMES AND SYNONYMS OF CARCINOGENS LISTED IN THE 9th REPORT ON CARCINOGENS

CASRN	NAME OR SYNONYM	Listing in the 9 th RoC ^a	FIRST LISTED ^b	Page No. III-
II.A. KNOWN TO BE HUMAN CARCINOGENS: This list includes agents, substances, mixtures, and exposure circumstances that are known to be carcinogenic in humans. These carcinogens are profiled in Section III.A.				
1402-68-2	Aflatoxins	K	1	1
	Alcoholic Beverage Consumption	K	9	2
92-67-1	4-Aminobiphenyl (4-Aminodiphenyl)	K	1	3
91-59-8	2-Aminonaphthalene (See 2-Naphthylamine)	K	1	41
	Analgesic Mixtures Containing Phenacetin	K	4	4
	Arsenic Compounds, Inorganic	K	1	4
1332-21-4	Asbestos	K	1	6
446-86-6	Azathioprine	K	4	9
71-43-2	Benzene	K	1	10
92-87-5	Benzidine	K	1	11
542-88-1	bis(Chloromethyl) Ether	K	1	13
55-98-1	Busulfan (See 1,4-Butanediol Dimethylsulfonate)	K	4	17
106-99-0	1,3-Butadiene	K	5^c 9^d	14
55-98-1	1,4-Butanediol Dimethylsulfonate (Myleran®; Busulfan)	K	4	17
7440-43-9	Cadmium (under Cadmium and Cadmium Compounds)	K	1^c 9^d	17
10108-64-2	Cadmium Chloride (under Cadmium and Cadmium Compounds)	K	1^c 9^d	17
1306-19-0	Cadmium Oxide (under Cadmium and Cadmium Compounds)	K	1^c 9^d	17
10124-36-4	Cadmium Sulfate (under Cadmium and Cadmium Compounds)	K	1^c 9^d	17
1306-23-6	Cadmium Sulfide (under Cadmium and Cadmium Compounds)	K	1^c 9^d	17
305-03-3	Chlorambucil	K	2	21
13909-09-6	1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (MeCCNU)	K	6	22
107-30-2	Chloromethyl Methyl Ether	K	1	13
	Chromium Hexavalent Compounds (under Chromium Hexavalent Compounds)	K	1	22
8007-45-2	Coal Tar (under Tars and Mineral Oils)	K	1	54
	Coke Oven Emissions	K	1	24

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8001-58-9	Creosote (Coal) (under Tars and Mineral Oils)	K	4	54
8021-39-4	Creosote (Wood) (under Tars and Mineral Oils)	K	4	54
14464-46-1	Cristobalite [under Silica, Crystalline (Respirable Size)]	K	6^c 9^d	43
50-18-0	Cyclophosphamide	K	1	26
59865-13-3	Cyclosporin A (Cyclosporine A; Ciclosporin)	K	8	27
56-53-1	Diethylstilbestrol	K	1	28
1937-37-7	Direct Black 38	K	3^c 9^d	31
2602-46-2	Direct Blue 6	K	3^c 9^d	32
	Dyes that Metabolize to Benzidine	K	9	29
	Environmental Tobacco Smoke	K	9	33
66733-21-9	Erionite	K	1	34
75-21-8	Ethylene Oxide	K	2^c 9^d	35
7758-97-6	Lead Chromate (under Chromium Hexavalent Compounds)	K	1	22
13909-09-6	MeCCNU [See 1-(2-Chloroethyl)-3-(4-methylhexyl)-1-nitrosourea]	K	6	22
148-82-3	Melphalan	K	1	39
298-81-7	Methoxsalen (under Methoxsalen with Ultraviolet A Therapy (PUVA)) (methoxsalen not carcinogenic alone)	K	4	40
	Mineral Oils	K	1	54
505-60-2	Mustard Gas	K	1	41
55-98-1	Myleran® (See 1,4-Butanediol Dimethylsulfonate)	K	4	17
91-59-8	2-Naphthylamine (β-Naphthylamine; 2-Aminonaphthalene)	K	1	41
7280-37-7	Piperazine Estrone Sulfate (under Conjugated Estrogens)	K	4	25
14808-60-7	Quartz [under Silica, Crystalline (Respirable Size)]	K	6^c 9^d	43
10043-92-2	Radon	K	7	42
	Silica, Crystalline (Respirable Size)	K	6^c 9^d	43
	Smokeless Tobacco	K	9	46
16680-47-0	Sodium Equilin Sulfate (under Conjugated Estrogens)	K	4	25

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438-67-5	Sodium Estrone Sulfate (under Conjugated Estrogens)	K	5	25
	Solar Radiation and Exposure to Sunlamps and Sunbeds	K	9	48
	Soots	K	1	50
	Strong Inorganic Acid Mists Containing Sulfuric Acid	K	9	51
7789-06-2	Strontium Chromate (under Chromium Hexavalent Compounds)	K	1	22
10540-29-1	Tamoxifen	K	9	53
	Tars	K	1	54
52-24-4	Thiotepa [in 7th ARC as tris(1-Aziridinyl)phosphine Sulfide]	K	2 ^c 8 ^d	58
1314-20-1	Thorium Dioxide	K	2	59
	Tobacco Smoking	K	9	60
15468-32-3	Tridymite [under Silica, Crystalline (Respirable Size)]	K	6^c 9^d	43
52-24-4	Tris(1-aziridinyl)phosphine Sulfide (Thiotepa)	K	2 ^c 8 ^d	58
75-01-4	Vinyl Chloride	K	1	61
13530-65-9	Zinc Chromate (under Chromium Hexavalent Compounds)	K	1	22

^a Known (K) = *Known to be a Human Carcinogen*
RAHC (R) = *Reasonably Anticipated to be a Human Carcinogen*

^b Numbers designate the number of the Report on Carcinogens when first listed.
1 = First Annual Report on Carcinogens, 1980
2 = Second Annual Report on Carcinogens, 1981
3 = Third Annual Report on Carcinogens, 1983
4 = Fourth Annual Report on Carcinogens, 1985
5 = Fifth Annual Report on Carcinogens, 1989
6 = Sixth Annual Report on Carcinogens, 1991
7 = Seventh Annual Report on Carcinogens, 1994
8 = Eighth Report on Carcinogens, 1998
9 = Ninth Report on Carcinogens, 2000

^c First listed as *Reasonably Anticipated to be a Human Carcinogen*

^d First listed as *Known to be a Human Carcinogen*
Bold entries indicate new listing in The Report on Carcinogens, Ninth Edition